Date: 11/8/2001 Interface Name: SAIG - COD

Developer: Linda Kim Tester Initials: LK

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/Fail	Comments
Cycle 1: Normal								
Sub-Cycle 1: Send File from EAI Bus to SAIG file system								
1.1.1		DI File transfer	Send file from EAI Bus to SAIG via 'sendfile' shell script.	Validate MQ Queue Configuration. Validate DI ftfconfig.ini file.	Dummy test file, "testdata.txt" created by COD EAI Interfaces test team.	"testdata.txt" expected at SAIG	PASS	
1.1.2		DI File transfer	Create a file in the /export/home/mqm directory on the EAI Bus that match the file naming pattern in the dirmon.ini file.	Validates Dirmon.ini configuration.	Dummy test file, "dirmontest.txt" created by COD EAI Interfaces test team.	"dirmontest.txt" expected at SAIG in /home/mqm/eai/ftf/temp/	PASS	
Sub-Cycle 2: Send file from SAIG file system to EAI Bus								
1.2.1		DI File transfer	Send file from SAIG to EAI Bus via 'sendfile' shell script.	Validate MQ Queue Configuration. Validate DI ftfconfig.ini file	Provided by COD Interfaces team.	File from SAIG mailbox in /tmp on the EAI Bus server SU35E17	PASS	
1.2.2		DI File transfer	Create a file in the /home/mqm/eai/ftf/data/input directory on the SAIG server that match the file naming pattern in the dirmon.ini file.	Validates Dirmon.ini configuration.	Dummy test file, "dirmontest.txt" created by COD EAI Interfaces test team.	"dirmontest.txt" expected at EAI Bus in /home/mqm/eai/ftf/temp/	PASS	
Sub-Cycle 3: Pooling with Local Pool Queues set up at SAIG								
1.3.1		DI File transfer	Send a 1MB file from EAI Bus to SAIG via 'sendpooledfile' shell script. NOTE: Before this step is executed the ftfrcv process should be stopped on the SAIG server, so the Local Queues set up for pooling will collect messages in the Queues.	Validate MQ Queues and Alias Queues that have been configured for pooling.	Provided by COD EAI Interfaces team	Local Pool Queues have an evenly distributed number of messages. The message count should be (file size=3MB)/(default message size =512KB) ~= 6 messages / overflow.	PASS	ftfconfig.ini file needs to have POOLS set up with the correct number of maxqueues and overflow.

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/Fail	Comments
1.3.2		DI File transfer	Start up ftfrcv process on the SAIG server.			Test file expected at SAIG. All Local Pool Queues are emptied because the messages have been reassmebled to create	PASS	
Sub-Cycle 4: Pooling with Local Pool Queues set up at the EAI Bus								
1.4.1		DI File transfer	Send a 1MB file from SAIG to the EAI Bus via 'sendpooledfile' shell script. NOTE: Before this step is executed the ftfrcv process should be stopped on the EAI Bus server, so the Local Queues set up for pooling will collect messages in the Queues.	Validate MQ Queues and Alias Queues that have been configured for pooling.	Provided by COD EAI Interfaces team	Local Pool Queues have an evenly distributed number of messages. The message count should be (file size=3MB)/(default message size =512KB) ~= 6 messages / overflow.	PASS	ftfconfig.ini file needs to have POOLS set up with the correct number of maxqueues and overflow.
1.4.2		DI File transfer	Start up ftfrcv process on the EAI Bus server.			Test file expected at the EAI Bus. All Local Pool Queues are emptied because the messages have been reassmebled to create the file.	PASS	
Sub-Cycle 5: Start an external process from a sender pre process data exit								
1.5.1		DI File transfer	Start an external process from a data exit before a file has been sent from EAI Bus to SAIG via 'sendfileexits' shell script.	The sender preprocess has been correctly defined in EAIExits	Provided by COD EAI Interfaces team.	File expected at SAIG. The sender pre process should be started at the EAI Bus.	PASS	
1.5.2		DI File transfer GET adapter	Start an external process from a data exit before a file has been sent from SAIG to the EAI Bus. A message will be placed in a mailbox via Ed Express. The Get Adapter is triggered as a sender pre process and extracts the file from appropriate mailbox on SAIG. Next the created file is sent to the EAI Bus	The sender preprocess has been correctly defined in EAIExits	Provided by COD EAI Interfaces team.	File expected at the EAI Bus. The GET Adapter sender pre process should be started at SAIG.		
Sub-Cycle 6: Start an external process from a sender post process data exit								
1.6.1		DI File transfer	Start an external process from a data exit after a file has been sent from EAI Bus to SAIG via 'sendfileexits' shell script.	The sender postprocess has been correctly defined in EAIExits	Provided by COD EAI Interfaces team.	File expected at SAIG. The sender post process should be started at the EAI Bus.	PASS	
Sub-Cycle 7: Start an external process from a receiver pre process data exit								

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass / Fail	Comments
1.7.1		DI File transfer	Start an external process from a data exit before a file has been received from EAI Bus to SAIG via 'sendfileexits' shell script.	The receiver preprocess has been correctly defined in EAIExits	Provided by COD EAI Interfaces team.	File expected at SAIG. The receiver pre process should be started on SAIG.	PASS	
Sub-Cycle 8: Start an external process from a receiver post process data exit								
1.8.1		DI File transfer	Start an external process from a data exit after a file has been received from EAI Bus to SAIG via 'sendfileexits' shell script.	The receiver postprocess has been correctly defined in EAIExits	Provided by COD EAI Interfaces team.	File expected at SAIG. The receiver post process should be started on SAIG.	PASS	
1.8.2		DI File transfer JAVA Transformation utility	Start JAVA Transformation utility on EAI Bus once a file has been received in the appropriate directory from SAIG to the EAIBus.	Java Transformation utility can be successfully initiated by a DataIntegrator Data exit	Provided by COD EAI Interfaces team.	File is processed and expected in another directory on the EAI Bus.	PASS	
1.8.3		DI File transfer PUT Adapter	Start PUT Adapter on SAIG once a file has been received in the appropriate directory	PUT adapter can be successfully initiated by a DataIntegrator Data exit	Provided by COD EAI Interfaces team.	File is processed and expected in the appropriate mailbox on SAIG.	PASS	

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Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/Fail	Comments
Cycle 2 - Expected Error								
2.1.1		DI File Transfer	Execute "sendnofile" shell script to attempt to send a file that does not exist from the EAI Bus to SAIG		NA	Failure message sent to NOTIFY queue on source QM. Error messages sent to nohup,out logfile. Failure message in FTFSTAT	PASS	This is a stub for COD. COD's JCL will send a file.
Sub-Cycle 2 : Common Log Function Environment variables are not found								
~~2.2.1~~		DI File Transfer & Common Log Function	Execute "sendfileexits" shell script without defining the common log function environment variables		Dummy test file,	Error message logged in common log file.	Not Tested NA	This condition no longer tested because the common log function is no longer used with DataIntegrator

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Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass/Fail	Comments
Cycle 3 - Unexpected Error								
Sub-Cycle 1: MQ Queue Manager is unavailable								
3.1.1		DI File Transfer	Change destination queue manager to a QM that does not exist to simulate a Queue Manager being unavailable. Send file from EAI Bus to SAIG via 'SAIGsendnoMQ1' shell script.		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	MQMon must notify that QM is down. Failure message sent to NOTIFY queue on source QM.	PASS	
3.1.2		DI File Transfer	Change source queue manager to a QM that does not exist to simulate a Queue Manager being unavailable. Send file from EAI Bus to SAIG via 'SAIGSsendnoMQ2' shell script.		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	MQMon must notify that QM is down. Failure message sent to standard out.	PASS	
Sub-Cycle 2: MQ Queues and Channels are unavailable								
3.2.1		DI File Transfer	Make MQ Queues and channels unavailable. Send file from EAI Bus to SAIG via 'SAIGsendfile' shell script.		Dummy test file, testfile	Failure message sent to NOTIFY queue. No failure message in log file. The request will need to expire.	PASS	Tested by LK. Once the channel is restarted the file is successfully moved. This could be a problem if the channels are set to automatically attempt restarts since the NOTIFY queue will increment. The file could be sent automatically even after a messa
Sub-Cycle 3: DataIntegrator sender/receiver/manager services are unavailable								
3.3.1		DI File Transfer	Issues 'ftfend' command to stop DI services on source (EAI Bus) and send file from EAI Bus to SAIG via 'SAIGsendfile' shell script		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	Request will have to expire. No error message.	PASS	

Number	Regression	Interface Component	Action	Condition	Input Data	Expected Results	Pass / Fail	Comments
3.3.2		DI File Transfer	Issues 'ftfend' command to stop DI services on destination (NSLDS) and send file from EAI Bus to SAIG via 'SAIGsendfile' shell script.		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	Request will have to expire. No error message.	PASS	
Sub-Cycle 4: DataIntegrator specific queues are filled past capacity								
3.4.1		DI File Transfer	Make DI queues exceed max size capacity. Send file from EAI Bus to SAIG via 'SAIGsendfile' shell script.		Dummy test file, "testfile.txt" created by COD EAI Interfaces test team.	File transfer takes longer than expected	PASS	